

State of California
AIR RESOURCES BOARDEXECUTIVE ORDER A-48-5
Relating to Certification of New Motor Vehicles

ROLLS-ROYCE MOTORS LIMITED

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That Rolls-Royce Motors Limited exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: 1C

Engine: 412 Cubic Inch

Transmission: Automatic, 3-Speed

Exhaust Emission Control Systems: Engine Modification, Air Injection,
Exhaust Gas Recirculation, and
Oxidation Catalyst

Models: Rolls-Royce

Silver Shadow 4-Door Sedan

Silver Shadow LWB Sedan

Corniche Coupe

Corniche Convertible

Camargue

Bentley

'T' Series 4-Door Sedan

'T' Series LWB Sedan

Corniche Coupe

Corniche Convertible

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model-year vehicles:

<u>Engine Family</u>	<u>Hydrocarbons</u> <u>Grams per Mile</u>	<u>Carbon Monoxide</u> <u>Grams per Mile</u>	<u>Nitrogen Oxides</u> <u>Grams per Mile</u>
1C	0.17	1.6	1.1

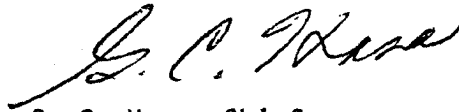
BE IT FURTHER RESOLVED: That this certification is contingent upon Rolls-Royce Motors Limited affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon Rolls-Royce Motors Limited listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 28 day of January, 1977.

A handwritten signature in cursive script, appearing to read "G. C. Hass".

G. C. Hass, Chief
Vehicle Emissions Control Division

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Engine Family 1C Engine (CID) 412 Engine Code _____

Emission Control System EM, AI, EGR, OC +10%(A/C) Yes ☒ No ☐

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type C HEI Mfgr. Part Number	Fuel System Type 2-1V Mfgr. Part Number	EGR System Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
Rolls-Royce Silver Shadow 4-Door Sedan Silver Shadow LWB Sedan Corniche Coupe Corniche Convertible Camargue Bentley 'T'Series 4-Door Sedan 'T'Series LWB Sedan Corniche Coupe Corniche Convertible	Auto	5500	Joseph Lucas, Ltd. UE 40967	S.U. Carburettor Co. Ltd. UE 40957	2 Valves Gen.Motors UE 40755 (GM P/N 7045068) *I-50,000 Miles	(1) 15° BTDC @ 1200 RPM W/Vacuum advance line disconnected (2) 1.0-4.0% @ 650 RPM EGR hoses disconnected & plugged, float chambers vented, hot idle compensator blanked off. Air injection discon- nected and check valves blanked. Carburetor chamber depression: 2.0" H ₂ O @ 2500 RPM. (3) 650 RPM with hot idle compensator blanked off. (All above settings to be made with transmission in neutral and air con- ditioning off).

Comments Axle Ratio 3.077: To 1

Date of Issue

Abbreviations

Distributor

C-Centrifugal Advance

V-Vacuum Advance

R-Vacuum Retard

HEI-High Energy Ignition

EI-Electronic Ignition

Fuel System

EFI, FI

nV-nVenturi Carburetor

VV-Variable Venturi

Exhaust Emission Control System

AI-Air Injection

CAI-Catalyst Air Injection

EFI-Electronic Fuel Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

EFE-Early Fuel Evaporation

ESAC-Electronic Spark Advance
Control

FI-Fuel Injection

OC-Oxidation Catalyst

PAI-Pulse Air Injection

RC-Reduction Catalyst

TR-Thermal Reactor

TWC-Three Way Catalyst

λ-Air Fuel Ratio Sensor

*Service

I-Inspect, repair/replace
as needed

R-Replace